

WHAT IS CLAIMED IS:

1. An image pickup apparatus comprising:
a first connector arranged on a wiring board;
a second connector including an optical lens and
5 being engageable with the first connector; and
a photoelectric conversion module on which light
is incident from the optical lens, said photoelectric
conversion module being fixedly held when the
photoelectric conversion model is clamped by the first
10 and second connectors in a state where the first and
second connectors are in engagement and coupled
relatively to each other.
2. An image pickup apparatus according to
claim 1, wherein said photoelectric conversion module
15 comprises:
a wiring board including an opening;
a photoelectric conversion element provided for
one major surface of the wiring board and including a
photoelectric conversion surface that opposes the
20 opening; and
a transparent member provided for another major
surface of the wiring board and covering both the
opening and the photoelectric conversion surface,
3. An image pickup apparatus according to
25 claim 1, further comprising a spring electrode
electrically connected to a terminal of the
photoelectric conversion element and located at

a position where the first connector is in contact with the photoelectric conversion module, said spring electrode being electrically connected to the wiring board.

5 4. An image pickup apparatus according to claim 1, wherein said second connector includes a lens barrel.

10 5. An image pickup apparatus according to claim 1, wherein said second connector includes a lens barrel, and said lens barrel has at least one opening which opposes the optical lens and which is provided with a diaphragm.

15 6. An image pickup apparatus according to claim 1, wherein said first connector includes a guide which guides the second connector to a predetermined position.

20 7. An image pickup apparatus according to claim 1, wherein said first connector includes an elastic member which urges the second connector toward the first connector when the first and second connectors are brought into engagement and coupled relatively to each other.

25 8. A method for manufacturing an image pickup apparatus, comprising:
an installation step of arranging a first connector and an electronic component on a wiring board and electrically connecting the first connector and the

electronic component together; and

an assembly step of electrically connecting an
electrode of the first connector to a second connector
including an optical lens, when the first connector
and the second connector are brought into engagement,
5 said assembly step being executed by inserting
a photoelectric conversion module, including
a photoelectric conversion element on which light from
the optical lens of the second connector is incident,
10 between the first connector and the second connector.

9. A portable electric apparatus comprising the
image pickup apparatus defined in claim 1.